

## Our Commitment

### Environmental protection - what we do



FROMM is committed to the protection of the environment and the responsible use of natural resources. This includes not only our self-imposed environmental requirements, such as the economical use of energy, raw materials and water or the regular certifications according to EN ISO 14001 and 50001, but also the consistent implementation of a vertical integration of production processes, from PET recycling to the production of STARstrap™ straps.

FROMM has developed recycling techniques for used PET bottles that ensure the production of high quality PET regrind and PET regranulates. These PET recyclates are not only used as raw materials for new PET bottles (bottle to bottle) or for fibres and foils, they are also used in the production of STARstrap™ straps. STARstrap™ straps from FROMM are manufactured from 100% recycled PET, which is sourced from our own recycling of PET bottles. Since

STARstrap™ straps can be reprocessed after use in the same manner which enables a closed material lifecycle that sustainably protects natural resources. STARstrap™ straps are made of recycled PET and are contaminant-free due to their material properties. They comply to REACH as well as ECHA standards and can become part of a closed loop lifecycle when handled in a responsible and environmentally sound manner.



#### Quality

FROMM is a family-owned enterprise with headquarters in Switzerland. Since its foundation in 1947, FROMM has been completely dedicated to the development and production of systems and consumable materials for securing transport goods: Systems for strapping and wrapping, as well as the patented Airpad™ air-cushion system. FROMM's experience in the end packing field paired with uncompromisingly reliable quality can be summed up in two words: no problem. All FROMM systems and consumables are produced in FROMM development centres and factories according to ISO 9001.

#### Customer proximity

FROMM considers its staff to be its most important capital. To achieve and ensure a high degree of competency, FROMM invests in people and training. Our qualified specialists stand for professional advice, fast customer service, and reliable maintenance. FROMM is represented worldwide with 35 subsidiaries in Europe, North and South America, South Africa, Asia, and Australia, as well as in a variety of long-term, specialised trade partners. Wherever you are, FROMM is nearby.

#### Sustainability

FROMM's high vertical integration, from product development to sales, enables a tight control of the entire production process. Environmental impacts are reduced where ever possible. This is why FROMM has developed techniques for plastic recycling. In the factory near Leipzig, which is certified according to ISO 9001/14001/50001, FROMM recycles PET bottles and uses these to create agglomerates and regranulates for various industrial applications. FROMM's STARstrap™ plastic straps are created exclusively from recycled PET bottles.

**FROMM - Swiss quality  
for strapping  
systems with  
STARstrap™ straps**



**FROMM** | PACKAGING  
SYSTEMS

**STARstrap™ Straps**  
developed to meet the highest demands

## Your Benefits

## Our Solutions

## Your Rights

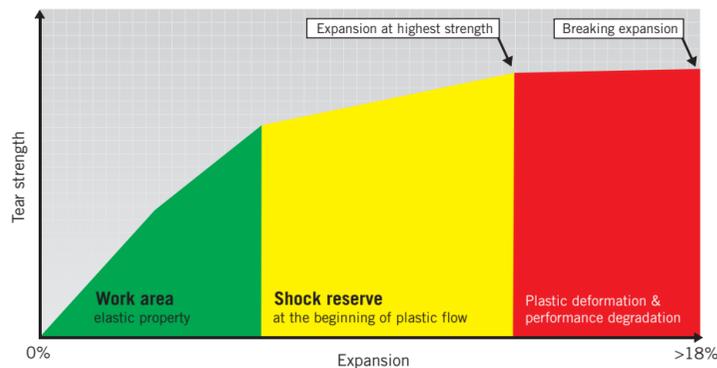


### Sharing our experience

- Access to comprehensive technical knowledge of FROMM as a high-quality supplier of strapping systems
- Strapping systems and packing solutions for every industry segment
- Auditing of strapping applications and offers for cost-saving alternatives
- Many years of experience in the successful conversion of steel to plastic straps
- Training of operating personnel by professional technical services
- High availability of strapping systems, spare parts, straps, and service by FROMM subsidiaries and FROMM partners nearby

### Strap behaviour

In correlation with tensile force and expansion



Taking into account the specific working range, and depending on the belt dimension and application, FROMM's PET strap uses its optimum properties such as high edge strength and locking force, maximum shock absorption and good elastic recovery.



#### STARstrap™ Eco-S

Lightweight and thus resource-saving strap, which meets requirements for full protection and holding strength of the cargo despite lower material usage.



#### STARstrap™ Plus

Strap that is particularly suitable for completely automatic strapping applications. This is available with a textured surface as well as a smooth surface.



#### STARstrap™ ULTRA

High quality strap for heavy applications and a high degree of sealing, edge, and tear strength. The ULTRA strap is mainly used in the metal processing industry.



#### STARstrap™ ULTRA-H

High-performance strap for extreme requirements for sealing and tear strength. Despite the high resilience, it demonstrates unmet elasticity.

### STARstrap™- Straps

Dimensions of 9 mm to 32 mm width and 0.6 mm to 1.35 mm thickness are available.

- depending on the dimensions, achieve tear resistances from 2,000 N to 19,000 N
- depending on the quality, achieve seal strength of 65-90%
- available in jumbo packages (up to 80 kg roll weight) or in super jumbo packages (up to 300 kg roll weight). Jumbo or super jumbo rolls reduce considerable time spent changing rolls, thereby extending the uninterrupted strapping process and reducing handling requirements
- can be manufactured in various colours and with printing upon customer request
- can be offered in specific dimensions as AAR-certified straps (AAR 64)

STARstrap™ straps in combination with FROMM strapping equipment and systems comprise the ideal system for customers with uncompromising demands for packing quality and the security of transported goods.

### Ensuring

your customer satisfaction

- Reliable protection and secure hold for goods to be transported
- High edge strength, very good sealing strength and excellent shock absorption with the STARstrap™ straps
- Trouble-free strapping processes using the best quality STARstrap™ strap together with FROMM quality strapping equipment and systems

- Single-sourced strapping systems (one-stop shop)

### Optimisation

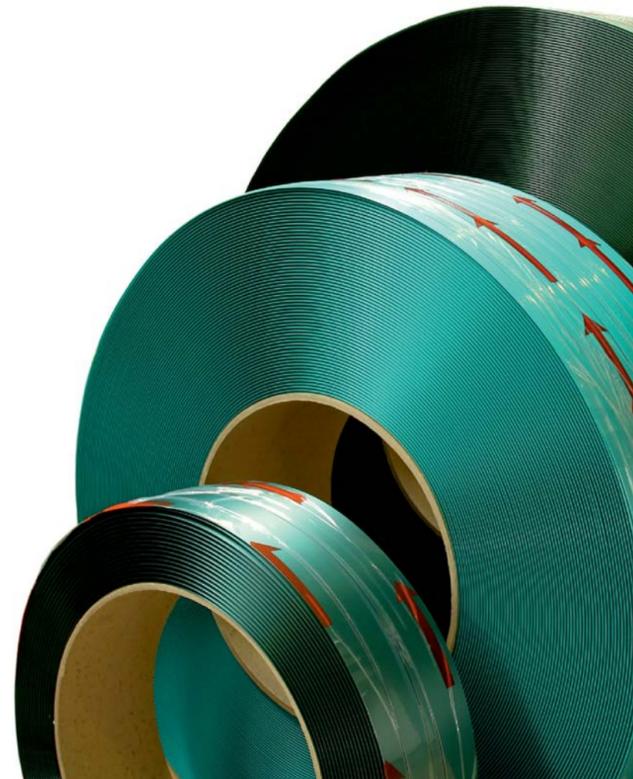
of your strapping processes

- Professional instruction in the use of STARstrap™ straps as well as in the handling of FROMM strapping equipment and systems by experts from FROMM
- Improvement of strapping operations based on customer requirements
- Technical support for strap adjustments and introduction of new straps

### Verification

of your packing expenses

- Determination of the correct strap specification and exact fit of the FROMM strapping system for the best cost-benefit effect
- Reduction of strapping costs and amortisation times by custom-tailored conversion from steel to STARstrap™ straps
- Savings in edge protection, or similar packaging materials with optimal strap and strapping solutions



FROMM - Swiss quality for strapping systems with STARstrap™ straps